

CLAIMS

I claim:

- 5 1. A toecap comprising:

 woven layers each composed of continuous strands of
 prepreg material.
- 10 2. The toecap of claim 1 wherein:

 said continuous strands of prepreg material for each of said
 woven layers are aligned in a layer-specific orientation.
- 15 3. The toecap of claim 2 wherein:

 the layer specific orientation of a first of said layer is
 orthogonal to an orientation of a second layer.
- 20 4. The toecap of claim 2 wherein:

 the layer specific orientation of a first layer is oriented at
 forty-five degrees from an orientation of a second layer.
- 25 5. The toecap of claim 1 wherein:

 the woven layers further comprise a hybrid layer having a
 sheet-molding compound (SMC) layer.
- 30 6. The toecap of claim 1 further comprising:

 a resin between said woven layers.

7. The toecap of claim 1 further comprising:
a resin comprising vinyl ester between said woven layers.
- 5 8. The toecap of claim 1 further comprising:
a resin comprising polyester between said woven layers.
- 10 9. The toecap of claim 1 further comprising:
a resin comprising epoxy between said woven layers.
- 15 10. The toecap of claim 1 further comprising:
a resin comprising polyurethane between said woven layers.
- 20 11. The toecap of claim 1 wherein:
said continuous strands of prepreg material for each of said woven layers comprising directional continuous reinforcing roving.
- 25 12. The toecap of claim 1 wherein:
said continuous strands of prepreg material comprising directional continuous glass fiber.
- 30 13. The toecap of claim 1 wherein:
said continuous strands of prepreg material comprising directional continuous woven cloth made out of yarns.

14. A method for manufacturing a toecap comprising:
- laying up a plurality of layers wherein each layer composed
of continuous strands of prepreg material.

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15. The method for manufacturing a toecap of claim 14 wherein:
- said step of laying up said plurality of layers further
comprising a step of laying up said plurality of layers by
aligning each of said of continuous strands of prepreg
material in a layer-specific orientation.

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